

A B S T R A C T

A SHIP'S STEERING UNIT WHOSE ANGULAR POSITION IS SERVO-
CONTROLLED BY AN ELECTRIC MOTOR

The ship's steering unit comprises a mounting which
5 is part of the structure of the ship, and in which a
rudder is pivotally mounted, the angular positioning of
said rudder being servo-controlled by a motor. The motor
is an electric motor comprising a stator rigidly fixed to
said mounting, and a rotor rigidly fixed to said rudder.
10 The steering motor is powered at variable frequency and
at variable voltage, and it transmits the torque
necessary for servo-controlling the rudder
electromagnetically, i.e. without physical contact,
thereby eliminating problems of wear. In addition, the
15 steering unit is simplified by reducing the number of
items of equipment making up said unit, thereby making it
easier to install on board and contributing to making it
more reliable.